Form	PTO-1449
(Rev.	8-83)

U.S. Department of Commerce Atty. Docket No. Patent and Trademark Office

01-9680

Serial No. Filed herewith

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Applicant

Minoru TAKADA et al.

Filing Date

Group 1722

U.S. PATENT DOCUMENTS

XMR INIT*		DOCUMENT DATE NAME CLASS		CLASS	SUBCLASS	FILING DATE			
FB	AA	3,364,520	01/68	N B.T. HESTEHAVE	425	533			
P	АВ	3,787,170	01/74	GILBERT	425	526			
FB	AC	3,963,399	06/76	ZAVASNIK 425 526 242 -					
TP	AD	4,102,626	07/78	SCHARRENBROICH	425	526			
AB .	AE	4,140,464	02/79	SPURR et al.	425	533			
P	AF	4,140,468	02/79	DUGA	425	534			
PP	AG	4,204,111	05/80	YONKO	YONKO 425 526				
FR	AH	4,209,290	06/80	REES et al.	425	534			
78	Al	4,239,475	12/80	RAINVILLE	425	526			
702	AJ	4,261,949	04/81	SPURR et al.	264	535			
FB	AK	4,310,282	01/82	SPURR et al.	414 753				
19	AL	4,330,255	05/82	SUZUKI	SUZUKI 425 529				
PB	AM	4,391,578	07/83	SCHAAR 425 S25					
19	AN	4,405,556	09/83	VALYI	VALYI 425				
P	АО	4,412,806	11/83	GAISER et al.	425	533			
PP	АР	4,522,581	06/85	SCHAD et al.	425	534			
17B	AQ	4,669,601	06/87	SATO	425	534			
THE	AR	4,690,633	09/87	SCHAD et al.	425	526			
P	AS	4,693,375	09/87	SCHWEERS	42 5²⁰⁹⁻	- 544 534			
13	AT	4,729,732	03/88	SCHAD et al.	425	526			
77	ΑU	4,747,769	05/88	NAKAMURA et al.	425	529			
FB	ΑV	4,786,455	11/88	KRISHNAKUMAR et al.	264	328.8			
PP	AW	4,793,960	12/88	SCHAD et al.	264	535			
78	AX	4,836,767	06/89	SCHAD et al.	264	328.16			
The same	AY	4,929,450	05/90	TAKAKUSAKI et al.	425	526			
198	AZ	5,261,809	11/93	KOGA	425	534			
P	ВА	5,297,950	03/94	KRESAK	425	534			
B	вв	5,308,237	05/94	KIERAN	425	534			

Dah considered 9/5/0)

خب									
							5	Sheet 2 of	
			. U	J.S. PATENT DOCUMENTS					
B	AA	5,352,402	10/94	ORIMOTO et al.	264	526	_		
TB	АВ	5,424,022	06/95	KOGA	425	533			
PF	AC	5,501,590	03/96	ORIMOTO et al.	425	526	03/1	16/95	
TP	AD	5,589,130	12/96	TAKADA et al.	425	534			
P	AE	5,750,162	05/98	SCHAD et al.	425	533			
7			FOR	EIGN PATENT DOCUMEN	TS	-,-	*****		
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS	LATION NO	
P	AF	2,056,617	06/72	GERMANY			125	X	
100	AG	2,343,588	<i>[0 €§/77</i>	FRANCE			孕		
P	АН	2,389,580	12/78	FRANCE			13		
Z/3	AI	2,825,859	01/79	GERMANY	264	538		-	

ABS.

				1			1
AG	2,343,588	<i>I</i> 0 €\$/77	FRANCE			瑟	1
АН	2,389,580	12/78	FRANCE		13		
AI	2,825,859	01/79	GERMANY	GERMANY 264 538			_
AJ	2,015,920A	09/79	UNITED KINGDOM	м			
AK	2,062,534	05/81	UNITED KINGDOM	KINGDOM			
AL	1,602,055	11/81	UNITED KINGDOM				
AM	631,654	08/82	SWITZERLAND	SWITZERLAND		¥	~
AN	2,093,396	09/82	UNITED KINGDOM				_
AO	0058947	09/82	EP				
AP	2,097,322	11/82	UNITED KINGDOM				
AQ	0173818A2	03/86	EP				
AR	0266804	05/88	EP				
AS	4,033,531 A I	05/92	GERMANY			K	~
AT	0534367	03/93	EP				
AU	4,212,115a1	06/93	GERMANY	425	526		1
AV	WO96/08356	03/96	ÆP WIPO				
	AH AI AJ AK AL AM AN AO AP AQ AR AS AT	AH 2,389,580 AI 2,825,859 AJ 2,015,920A AK 2,062,534 AL 1,602,055 AM 631,654 AN 2,093,396 AO 0058947 AP 2,097,322 AQ 0173818A2 AR 0266804 AS 4,033,531 AI AT 0534367 AU 4,212,115a1	AH 2,389,580 12/78 AI 2,825,859 01/79 AJ 2,015,920A 09/79 AK 2,062,534 05/81 AL 1,602,055 11/81 AM 631,654 08/82 AN 2,093,396 09/82 AO 0058947 09/82 AP 2,097,322 11/82 AQ 0173818A2 03/86 AR 0266804 05/88 AS 4,033,531 AI 05/92 AT 0534367 03/93 AU 4,212,115a1 06/93	AH 2,389,580 12/78 FRANCE AI 2,825,859 01/79 GERMANY AJ 2,015,920A 09/79 UNITED KINGDOM AK 2,062,534 05/81 UNITED KINGDOM AL 1,602,055 11/81 UNITED KINGDOM AM 631,654 08/82 SWITZERLAND AN 2,093,396 09/82 UNITED KINGDOM AO 0058947 09/82 EP AP 2,097,322 11/82 UNITED KINGDOM AQ 0173818A2 03/86 EP AR 0266804 05/88 EP AS 4,033,531 AI 05/92 GERMANY AT 0534367 03/93 EP AU 4,212,115a1 06/93 GERMANY	AH 2,389,580 12/78 FRANCE AI 2,825,859 01/79 GERMANY 264 AJ 2,015,920A 09/79 UNITED KINGDOM AK 2,062,534 05/81 UNITED KINGDOM AL 1,602,055 11/81 UNITED KINGDOM AM 631,654 08/82 SWITZERLAND AN 2,093,396 09/82 UNITED KINGDOM AO 0058947 09/82 EP AP 2,097,322 11/82 UNITED KINGDOM AQ 0173818A2 03/86 EP AR 0266804 05/88 EP AS 4,033,531 AI 05/92 GERMANY AT 0534367 03/93 EP AU 4,212,115a1 06/93 GERMANY 425	AH 2,389,580 12/78 FRANCE AI 2,825,859 01/79 GERMANY 264 538 AJ 2,015,920A 09/79 UNITED KINGDOM AK 2,062,534 05/81 UNITED KINGDOM AL 1,602,055 11/81 UNITED KINGDOM AM 631,654 08/82 SWITZERLAND AN 2,093,396 09/82 UNITED KINGDOM AO 0058947 09/82 EP AP 2,097,322 11/82 UNITED KINGDOM AQ 0173818A2 03/86 EP AR 0266804 05/88 EP AS 4,033,531 AI 05/92 GERMANY AT 0534367 03/93 EP AU 4,212,115a1 06/93 GERMANY 425 526	AH 2,389,580 12/78 FRANCE — 264 538 — 2,015,920A 09/79 UNITED KINGDOM — 2,062,534 05/81 UNITED KINGDOM — 2,062,534 05/81 UNITED KINGDOM — 2,062,534 08/82 SWITZERLAND — 2,093,396 09/82 UNITED KINGDOM — 2,093,396 09/82 UNITED KINGDOM — 2,093,396 09/82 UNITED KINGDOM — 2,097,322 11/82 UNITED KINGDOM — 2,097,322 UNITED KINGDOM — 2,097,

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

THE	AW	Patent Abstracts of Japan, JP60180814, Vol. 10, No. 21, (M-449), Katashi, "Stretching Blow Molding System," September 1985.
ZP	AX	By Haldenwanger, Mineif, Arnegger and Schuler, "Kunststoff-Motorbauteile in Ausschmelzkerntechnik am Beispiel Eines Saugrohres," in <i>Automobiltechnische Zeitschrift</i> , vol. 89, No. 3, pp. 139-143, March 1987, Germany.
IP3	\AY	Chapter 3, "Injection Stretch Blow Molding" by Y. Nakamura from <i>Blow Molding Handbook</i> , Hanser Publishers, 1988.
The	AZ	"Tätigkeits-bericht 1989" activity report, by Fraunhofer-Gesellschaft, Stuttgart, Germany (1990) (translation attached).
TOPS	ВА	Patent Abstracts, ES2058019, Reycobe SL, "Testing and Sorting Equipment for Plastic Bottles", May 1992. International Search Report.

Data Considered 9/5/03

		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)								
Pfo	ĀĀ	Corpoplast FA brochure entitled "Automatisierungsbaustein für die PET-Flaschenproduktion," by Krupp Corpoplast, Düsseldorf, Germany (October 1992) (translation attached).								
FB	AB	"Corpoplast B 60 For Small Or Wide Necks, Suiting Market Trends" brochure by Krupp Corpoplast, Hamburg, Germany (October 1992).								
FR	AC	"PET-O-MAT: Preform Injection Moulding Systems" brochure by Krupp Corpoplast, Hamburg, Germany (October 1992).								
P	AD	"Kunstoff-Sprintzgiessmachine Injection-Moulding Machine" operating manual (P50) by Krupp Formaplast Machinenbau, Essen, Germany (October 1992) (translation attached).								
P	AE	By E. Neumann, "Blasformen von Mehrwegflaschen," in <i>Kunststoffe</i> , vol. 83, no. 5, May 1993, pp.343-347, Germany.								
B	AF Brochure "Corpoplast FA" published by Krupp Corpoplast, 1998.									
Exam	iner	Date Considered: 9/5/02								

*Æxaminer:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce (Rev. 8-83) Patent and Trademark Office				Atty. Docket No. Serial No.					
				01-9680	09/874,557				
INFORMATION DISCLOSURE CITATION P (Use several sheets of necessary)				Applicant TAKADA et al.					
	(0	se several streets it	JAN 2 3 2007 25	Filing Date Group June 4, 2001 1722					
-		/P	Te range not	S. PATENT DOCUMENTS					
MR VIT*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING	DATE	
72	\ { }	3,790,319	Feb. 5, 1974	Hudson et al.	425	526			
B	AB	3,910,741	Oct. 7, 1975	Mehnert	425	806			
B	AC	4,070,428	Jan. 24, 1978	Krall et al.	425	534			
P	AD	4,147,487	Apr. 3, 1979	Dickson et al.	425	MUEC.			
B	AE	4,234,297	Nov. 18, 1980	Kontz	425	FEB 0			
B	AF	4,354,813	Oct. 19, 1982	Collombin	425	526	2 002		
P	AG	4,373,891	Feb. 15, 1983	Kishida et al.	425	574 7			
P	AH	4,498,859	Feb. 12, 1985	Gibbemeyer	425	534	90		
B	> >	4,536,150	Aug. 20, 1985	Smith	425	526			
P	ĄJ	4,592,720	June 3, 1986	Dugan et al.	425	526			
			FORI	EIGN PATENT DOCUMEN	TS				
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS	LATION NO	
B	AK	63-306023	12/88	JAPAN			3	V	
3	AL	3-290225	12/91	JAPAN	-		IJ	1	
Zer Zer	AM	5-84813	4/93	JAPAN			গ্র	~	
/		OTHER:	DOCUMENTS (I	ncluding Author, Title, Date	e, Pertinent I	Pages, etc.)			
3/	AN	Plastic Part To	echnology, pp. 58-59	9, ASM International, Materials F	Park, Ohio (199	91).			
R.	AO	Plastic Blow N	Molding, pp. 22-23 a	and 34-35, Taiwan, (September 19	984).	***************************************			
-	AP		· · · · · ·						
	AQ								
xam	iner	•	//.	Date Consider	red:	,			
	[E	xaminer]	The ff	[Date]	9/5/	03			
		Evaminer	17/						

* Examinef: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not is conformance and not considered. Include copy of this form with next communication to applicant.

Form P'			artment of Commerce and Trademark Office	Atty. Docket No.	Serial No.	00/05/ 65	_		
•				01-9680	09/874,557				
INFORMATION DISCLOSURE CITATION (Use several sheets in necessary)				Applicant TAKADA et al.					
	(U:	/	necessary)	Filing Date June 4, 2001	Group	1722			
	· · · · · · · · · · · · · · · · · · ·	[3]	š.j	S. PATENT DOCUMENTS					
XMR NIT*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILIN	G DATE	
P	AA	5,032,700	Jul. 16, 1991	Sugiyama et al	425	174.8R			
	AB	4,209,290	Jun. 24, 1980	Rees et al					
1	AC	5,066,222	Nov. 19, 1991	Roos et al.	432				
FY	AD	4,349,368	Sep. 14, 1982	Hullen et al				ED_	
	AE	4,693,375	Sep. 13, 1987	Schweers		FFB 0	FFB 0 5 2802		
P	AF	5,013,515	May 7, 1991	Aoki	425	7 525	1700		
PP	AG	4,382,760	May 10, 1983	Wiatt et al.	425	534		<u>) </u>	
			FOR	EIGN PATENT DOCUMEN	ITS				
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS YES	LATION	
12/	AH	5-138725	6/93	JAPAN			IJ	V	
A	ΑI	2-34322	2/90	JAPAN			Œ	1	
P	ΙAJ	59-190834	/o ¥/84	JAPAN	·		13	V	
P	AK	3908219	9/90	GERMANY			¥	/	
P	AL	57-80030	5/82	JAPAN			B	V	
AP	АМ	52-125573	10/77	JAPAN			ュ	1	
CB	АМ	61-261024	11/86	JAPAN			I	/	
Exam	[Ex	aminer]	fuff	Date Consider [Date]	9/5	(0) Draw line the	ough eiteri	on if not i	

conformance and not considered. Include copy of this form with next communication to applicant.

Z:\TMDocs\01-9680\Corrected Form 1449.DOC

* AB - This reference cite is a duplicate of reference AH listed on the PTO-1449 of 6/4/01.

* AE - This reference cite is a duplicate of ref. AS on PTO-1449 of 6/4/01.

米AB

× AE

			U.S. Department of Commerce Patent and Trademark Office		-9680	Serial No. 09/874,557		7		
IN	FF COUR	MATION DISC	LOSURE	Applicant				<i>.</i>		
G.	-	CITATION lse several sheets if neces		TAKADA et al:						
MAR 2	4 200	3° 80° min sinces in ince	san y)	Filing Date Group June 4, 2001 1722						
Čir.					·		1722			
AV & TH	ADEMA		U.	S. PATENT D	OCUMENTS					
XMR INIT*	IT* NUMBER DATE			NAME US CLAS		US CLASS	SUBCLASS	FILING	DATE	
TE	АА	4,224,263	09/23/1980	Rober	t F. Kontz	264	535 25	03/14	/1978	
TR	AB	4,362,498	12/07/1982	Hai	ту et al.	425	526	07/23	/1981	
7	AC									
	AD									
	AE						To			
	AF	АГ					17		20	
	AG						00	.R 2	Ö	
	AH	АН					HAL	1 5 .		
	Al						1:	7		
	AJ.						ROOM			
	AK						10		*	
			FODE	eign patent		TS	•			
VIO	·····	DOCUMENT	I OIL				1	TDANG	ATTON	
XMR INIT*		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	LATION NO		
	. AL									
	AM									
	AN									
		OTHER DO	OCUMENTS (Including Auth	or, Title, Date	e, Pertinent P	ages, etc.)			
	АО						· -···· , ,			
	AP		•							
	AQ		*** **********************************		, , , , , , , , , , , , , , , , , , , 					
	AR									
Exam	iner:	2/11		I	Date Consider	red:				
,		Thuta			9,	15/03				
		/ / 1/			V	/				

* Examiner:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.